

Storm Data and Unusual Weather Phenomena - July 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NEW MEXICO, Southeast				
EDDY COUNTY				
12.0 WSW LAKEWOOD	07/21/07 13:39 MST	0		Flash Flood (due to Heavy Rain)
CARLSBAD	07/21/07 15:00 MST	0		32.5636N, 104.56W ~ 32.42N, 104.23W
One to three feet of water flowed across Marathon Road west southwest of Lakewood. Six inches of water was flowing through Canal Street in Carlsbad.				
EDDY COUNTY				
10.0 SW LAKEWOOD	07/21/07 18:42 MST	0		Flash Flood (due to Heavy Rain)
	07/21/07 23:00 MST	0		32.5278N, 104.491W
Four to five feet of water flowed rapidly across New Mexico Highway 137, six miles west of that highway intersection with U.S. Highway 285. Five to six feet of water flowed through Rocky Arroyo behind the Marathon Gas Plant.				
EDDY COUNTY				
5.0 W CARLSBAD	07/21/07 23:32 MST	0		Flash Flood (due to Heavy Rain)
	07/22/07 03:00 MST	0		32.42N, 104.316W
Law enforcement barricaded the Rocky Arroyo crossing due to four feet deep water rapidly flowing across New Mexico State Highway 137 near Eddy County 401.				
A broad high pressure ridge was situated over much of the U.S. The combination of a series of upper level disturbances moving around this ridge and abundant low level moisture provided by southeast flow off the Gulf of Mexico, aided in the development of showers and thunderstorms with heavy rain across portions of West Texas and southeast New Mexico.				
EDDY COUNTY				
ARTESIA	07/27/07 18:52 MST	0		Flash Flood (due to Heavy Rain)
	07/27/07 21:00 MST	0		32.83N, 104.4W
Local police reported six inches to one foot of water across several streets in the city of Artesia.				
Showers and thunderstorms developed on the northern side of a westward moving upper level storm system. Weak mid and upper level wind fields resulted in slow storm movements, along with heavy rains and flooding across portions of the area.				
TEXAS, West				
CULBERSON COUNTY				
(GDP)GUADALUPE PASS	07/08/07 11:59 CST	0		Thunderstorm Wind (MG 69 kt)
	07/08/07 11:59 CST	0		31.8N, 104.8W
The Automated Surface Observing System at Guadalupe Pass (KGDP) recorded a wind gust of 79 mph. No damage was reported.				
A broad upper level ridge over the Grand Canyon region, favorable northwest flow aloft, and an inflow of moist air contributed to isolated thunderstorms across the higher elevations of southwest Texas.				
BORDEN COUNTY				
17.0 NE GAIL	07/09/07 21:35 CST	0		Thunderstorm Wind (MG 53 kt)
	07/09/07 21:35 CST	0		32.9438N, 101.223W
The West Texas Mesonet station three miles west northwest of Fluvanna (KFVS) recorded a wind gust of 61 mph. No damage was reported.				
With a northwest upper flow regime in place, an upper level disturbance moved southeast across the western portions of the Low Rolling Plains. Moderate atmospheric instability, abundant moisture, and the presence of a low level outflow boundary led to the development of a few evening thunderstorms across the area.				
WARD COUNTY				
ROYALTY	07/12/07 17:25 CST	2K		Thunderstorm Wind (EG 60 kt)
GRANDFALLS	07/12/07 17:25 CST	0		31.37N, 102.88W ~ 31.33N, 102.87W

Storm Data and Unusual Weather Phenomena - July 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Wind damage occurred in the city of Grandfalls, including the roofs blown off of two barns, which led to a wall failure of one of them. In addition, shingles were blown off several homes and several trees were downed.				
CRANE COUNTY				
5.0 WSW CRANE J BAR ARPT	07/12/07 17:40 CST		0	Thunderstorm Wind (EG 52 kt)
	07/12/07 17:40 CST		0	31.5023N, 102.608W
Trained spotters from the Chevron-Warren Petroleum Plant estimated 60 mph winds. No damage was reported.				
ECTOR COUNTY				
3.0 N PLEASANT FARMS	07/12/07 18:16 CST		20K	Thunderstorm Wind (EG 52 kt)
	07/12/07 18:35 CST		0	31.7234N, 102.32W
Winds estimated to be 60 mph were reported in southern Ector County. This resulted in downed power lines, patio furniture blown around, and limbs broken off trees.				
JEFF DAVIS COUNTY				
5.0 NW FT DAVIS	07/13/07 14:30 CST		0	Hail (1.00 in)
	07/13/07 14:37 CST		0	30.6311N, 103.939W
Nickel to quarter size hail fell northwest of Fort Davis.				
ANDREWS COUNTY				
10.0 S ANDREWS	07/13/07 15:00 CST		0	Hail (1.50 in)
	07/13/07 15:00 CST		0	32.1754N, 102.55W
ANDREWS COUNTY				
17.0 SSE ANDREWS	07/13/07 15:30 CST		0	Thunderstorm Wind (EG 52 kt)
	07/13/07 15:30 CST		0	32.0929N, 102.439W
Trained spotters estimated winds of 60 mph on the Ector/Andrews county line. No damage was reported.				
ECTOR COUNTY				
17.0 NNW ODESSA	07/13/07 15:30 CST		0	Thunderstorm Wind (EG 52 kt)
	07/13/07 15:30 CST		0	32.0771N, 102.481W
Trained spotters estimated winds of 60 mph on the Ector/Andrews county line. No damage was reported.				
ANDREWS COUNTY				
ANDREWS	07/13/07 19:43 CST		0	Hail (0.75 in)
	07/13/07 19:43 CST		0	32.32N, 102.55W
PECOS COUNTY				
FT STOCKTON	07/13/07 23:00 CST		0	Hail (0.88 in)
	07/13/07 23:00 CST		0	30.88N, 102.87W
PECOS COUNTY				
2.0 N FT STOCKTON	07/13/07 23:30 CST		3K	Thunderstorm Wind (EG 50 kt)
4.0 N FT STOCKTON	07/13/07 23:30 CST		0	30.9089N, 102.87W ~ 30.9378N, 102.87W
Several mobile homes sustained minor roof damage due to thunderstorm winds.				
Instability combined with abundant levels of moisture to produce showers and thunderstorms across much of West Texas.				
PRESIDIO COUNTY				
PRESIDIO	07/14/07 17:22 CST		0	Thunderstorm Wind (EG 52 kt)
	07/14/07 17:33 CST		0	29.55N, 104.37W
No damage was reported.				
A thunderstorm complex moved southeastward into the area. As it intensified over Jeff Davis county, merging thunderstorms produced severe weather across the area.				
BREWSTER COUNTY				

Storm Data and Unusual Weather Phenomena - July 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
2.0 SW MARATHON	07/20/07 19:10 CST		0	Flash Flood (due to Heavy Rain)
	07/20/07 21:00 CST		0	30.1796N, 103.274W

A trained spotter reported water up to one and a half feet on local roads.

CRANE COUNTY

CRANE	07/20/07 21:06 CST		0	Flash Flood (due to Heavy Rain)
	07/21/07 00:00 CST		0	31.4N, 102.35W

The Crane Police reported flooding at the intersection of 8th and Gaston streets. Due to the high water, the interstecion was rendered impassible and therefore barricaded by the police.

As low level moisture continued to move into the region on southeast surface flow, an upper level low pressure system centered over the Trans Pecos area provided the lift needed for persistant showers.

ECTOR COUNTY

ODESSA	07/21/07 13:58 CST		0	Flash Flood (due to Heavy Rain)
	07/21/07 15:58 CST		0	31.85N, 102.37W

Eight to ten inches of water flowed over portions of Florida Street.

MIDLAND COUNTY

MIDLAND	07/21/07 14:30 CST		2K	Flash Flood (due to Heavy Rain)
	07/21/07 17:30 CST		0	32N, 102.08W

Flash flooding produced two feet of water over the intersection of Texas State Highway 191 and Loop 250. Multiple vehicles were stalled at the intersection due to the high water.

WINKLER COUNTY

WINK	07/21/07 15:51 CST		0	Flash Flood (due to Heavy Rain)
	07/21/07 18:00 CST		0	31.75N, 103.15W

One and a half to two feet of water flowed rapidly across the intersection of Texas Highway 115 and Wildcat Drive in Wink. Other roads were filled with water from curb to curb.

Several upper level disturbances that were moving around a high pressure ridge provided needed lift for showers and thunderstorms. In addition, southeasterly winds brought in abundant moisture to help produce heavy rain across west Texas and southeastern New Mexico.

PECOS COUNTY

FT STOCKTON ARPT FST	07/26/07 04:56 CST		0	Thunderstorm Wind (MG 60 kt)
	07/26/07 04:56 CST		0	30.92N, 102.92W

The Automated Surface Observing System at Fort Stockton (KFST) recorded a wind gust of 69 mph. No damage was reported.

Daytime heating, upslope flow, and a weak upper level disturbance approaching from the southwest combined to produce scattered thunderstorms from the Davis Mountains east across Pecos County.